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|-------------------------------|------------------------|---------------------|--|
| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/642,942 | STEVENS, CARLILE R. | |
| | Examiner | Art Unit | |
| | Thuy V. Tran | 2821 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/18/2003 & telephone interview held 09/03/2004.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

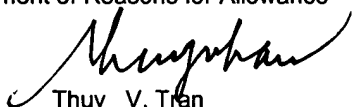
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 090404.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date <u>090404</u>. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|--|--|


 Thuy V. Tran
 Examiner
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DETAILED ACTION

This is a response to the Applicant's filing on August 18th, 2003 and the telephone interview held on September 3rd, 2004. In virtue of this filing and this interview, claims 1-6 are currently presented in the instant application.

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Roger A. Marrs on September 3rd, 2004. The amendment includes:

In the specification:

Page 1, delete "Priority Claimed on SN.60-281,841 filed 4-6-01 (ABANDONED) and Continuation in part of patent application SN. 10/104,076 filed 3-21-02 (PENDING)" and insert --This application is a continuation-in-part of U.S. Application Serial Number 10/104,076 filed 03/21/2002, which is now U.S. Patent No. 6,628,093; which claims the benefit of provisional application Serial Number 60/281,841 filed on 04/06/2001 and now abandoned-- therefor;

Page 2, in "BRIEF DESCRIPTION OF THE DRAWINGS", line 1, change "it's" to --its--;

In the Abstract:

Page 9, replace the original abstract with the following new abstract:

--A gas discharge lighting system with emergency lighting capability includes a gas discharge lighting device, a source of alternating current input power, and an electronic ballasting circuit having a direct current requirement and coupled between the gas discharge lighting device and the source of input power. The electronic ballasting circuit includes an alternating current-to-direct current conversion device, a power regulator connected to the conversion device, a controllable output direct current-to-

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alternating current inverter operated with a substantially square wave output, an impedance network, a controlling device for controlling the operation of the inverter and delivering power to the gas discharge lighting device, and an external source of direct current input power coupled to an input of the power regulator through an unidirectional current flow device.--;

In the claims:

Claim 1, line 5, change "a" (first occurrence) to --an--;

Claim 1, line 6, change ";" to --:--;

Claim 1, line 9, change "said" (second occurrence) to --a--;

Claim 1, line 12, change "nearly" to --substantially--;

Claim 1, line 14, insert --substantially-- between "said" (first occurrence) and "square"; and insert -a-- between "provide" and "proper";

Claim 1, line 17, change "the" to --an--;

Claim 1, line 20, change "the" to --a--; and insert --an-- between "or" and "absence";

Claim 1, line 23, change "the" to --an--;

Claim 2, line 3, change "is" to --an-- and insert --of the gas discharge device-- between "operation" and "and";

Claim 3, line 2, change "the" to --a--;

Claim 6, line 2, change "the" to --a--;

Claim 6, line 4, change "the shuts" to --to shut--;

In the drawings:

Fig. 1: labeled as --PRIOR ART--.

**** Applicant is noted that a replacement drawing set including all Figs. 1-4 with corrected label Prior Art to Fig. 1 and legible reference numerals to Figs. 1-4 must be submitted as discussed during the interview held on 09/03/2004.*

Allowable Subject Matter

2. Claims 1-6 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose or fairly suggest:

* A gas discharge lighting system for regular and emergency lighting comprising a connection between the source of alternating current input power and the controlling device to allow the controlling device to monitor a presence or an absence of the alternating current input power, and an external source of direct current input power coupled by an unidirectional current flow device to an input of the power regulator, in combination with the remaining claimed limitations as called for in independent claim 1 (claims 2-6 are allowed since they are dependent on claim 1).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of relevant prior art

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art Tao et al. (U.S. Patent No. 6,696,803) discloses a simplified electronic ballast circuit for a discharge lamp.

Prior art Melis et al. (U.S. Patent No. 6,329,761) discloses a switch mode power inverter.

Prior art Roman (U.S. Patent No. 6,259,215) discloses an electronic ballast circuit.

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Prior art Hedrei et al. (U.S. Patent No. 6,072,283) discloses an electronic ballast circuit with a micro-controller.

Prior art Paul et al. (U.S. Patent No. 5,677,602) discloses a high-frequency electronic ballast.

Prior art Luger (U.S. Patent No. 5,600,211) discloses an electronic ballast for gas discharge lamps.

Prior art Griffin (U.S. Patent No. 5,371,439) discloses an electronic ballast for gas discharge lamps.

Prior art Stevens (U.S. Patent No. 4,277,728) discloses a power supply for a HID lamp.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

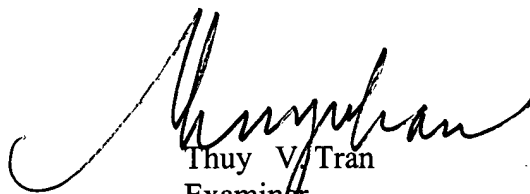
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A handwritten signature in black ink, appearing to read 'Thuy V. Tran', is written over the printed name.

Thuy V. Tran

Examiner

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09/04/2004